		Smart Skie	s
		2002 Mathema	itics
		Content Stand	ards
New Mexico Mathe	matics		
Grade 5			
Activity/Lesson	State	Standards	
			Solve measurement problems using appropriate
			tools involving length, perimeter, weight,
Fly by Math	NM	MA.5.5.M.2.1	capacity, time, and temperature.
			Select and use strategies to estimate
			measurements including length, distance,
Fly by Math	NM	MA.5.5.M.2.2	capacity, and time.
			Construct, read, analyze, and interpret tables,
Fly by Math	NM	MA.5.5.D.1.1	charts, graphs, and data plots.
			Display, analyze, compare, and interpret
			different data sets, including data sets of
Fly by Math	NM	MA.5.5.D.1.3	different sizes.
			Organize and display single-variable data in
Fly by Math	NM	MA.5.5.D.1.4	appropriate graphs and representations.
			Solve measurement problems using appropriate
			tools involving length, perimeter, weight,
Line Up with Math	NM	MA.5.5.M.2.1	capacity, time, and temperature.
			Select and use strategies to estimate
			measurements including length, distance,
Line Up with Math	NM	MA.5.5.M.2.2	capacity, and time.
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		2002 Mathema	
N	4!	Content Stand	ards
New Mexico Mathe	matics		
Grade 6	04-4-	Otom dondo	
Activity/Lesson	State	Standards	
Floring Made	NIN 4		Interpret graphs, tables, and charts to analyze
Fly by Math	NM	MA.6.6.A.3.2.d	data
			Apply various measurement techniques and
			tools, units of measure, and degrees of
			accuracy to find accurate rational number
The bee Math	NINA	MAGGMOA	representations for length, liquid, weight,
Fly by Math	NM	MA.6.6.M.2.1	perimeter, temperature, and time.
Fly by Math	NM	MA.6.6.D.1.1	Use statistical representations to analyze data.
Ely by Moth	NINA	MA GGD 1 F	Solve problems by collecting, organizing,
Fly by Math	NM	MA.6.6.D.1.5	displaying and interpreting data.
Ely by Moth	NINA	MA G G D 1 11	Formulate and solve problems by collecting,
Fly by Math	NM	MA.6.6.D.1.11	organizing, displaying, and interpreting data. Measure, identify, and draw angles,
			perpendicular and parallel lines, rectangles, and
			triangles by using appropriate tools (e.g.,
Line Up with Math	NM	MA.6.6.G.1.1.a	straightedge, ruler, compass, protractor, drawing software)
LINE UP WILL MALL	INIVI	IVIA.0.0.G. 1. 1.a	SUILWAIC)

			Apply various massurament techniques and
			Apply various measurement techniques and tools, units of measure, and degrees of
			accuracy to find accurate rational number
			representations for length, liquid, weight,
Line Up with Math	NM	MA.6.6.M.2.1	perimeter, temperature, and time.
Line up with Math	INIVI	IVIA.0.0.IVI.2.1	perimeter, temperature, and time.
		Smart Skie	
		2002 Mathema	
New Mexico Mather	matica	Content Stand	lards
Grade 7	Hatics		
Activity/Lesson	State	Standards	
710111117200011	Cluto	- Ctarratar do	Solve problems involving rate, average speed,
Fly by Math	NM	MA.7.7.A.1.6	distance, and time.
, ,			Compare masses, weights, capacities,
			geometric measures, times, and temperatures
Fly by Math	NM	MA.7.7.M.1.3	within measurement systems.
			Describe how data representations influences
Fly by Math	NM	MA.7.7.D.1.1	interpretation.
			Select and use appropriate representation for
			presenting collected data and justify the
Fly by Math	NM	MA.7.7.D.1.2	selection.
			Identify ordered pairs of data from a graph and
			interpret the data in terms of the situation
Fly by Math	NM	MA.7.7.D.1.6	depicted by the graph.
F1 1 NA ()			Use various scales and formats to display the
Fly by Math	NM	MA.7.7.D.1.7	same data set.
			Collect, organize, and represent data sets that
Fly by Math	NM	MA.7.7.D.1.9	have one or more variables and identify relationships among variables within a data set.
riy by watti	INIVI	IVIA.1.1.D.1.9	Analyze problems by identifying relationships,
			distinguishing relevant from irrelevant
			information, identifying missing information, and
			selecting, collecting, and displaying appropriate
Fly by Math	NM	MA.7.7.D.1.13	data to address the problem.
			Know various ways to display data sets (e.g.,
			stem and leaf plot, box and whisker plot, scatter
			plots) and use these forms to display a single
Fly by Math	NM	MA.7.7.D.2.2	set of data or to compare two sets of data.
			Use appropriate technology to gather and
			display data sets and identify the relationships
Fly by Math	NM	MA.7.7.D.2.4	that exist among variables within the data set.
		= = 1100	Interpret the absolute value as the distance of
Line Up with Math	NM	MA.7.7.N.2.6.a	the number from zero on a number line
Line Lle with Meth	NINA	NAA 7 7 A 4 G	Solve problems involving rate, average speed,
Line Up with Math	NM	MA.7.7.A.1.6	distance, and time. Use variables and appropriate operations to
			write an expression, an equation, and/or an
			inequality that represents a verbal description
Line Up with Math	NM	MA.7.7.A.4.1	involving change.
Enic Op with Math	I AIVI	IVIΔ.1.1.Δ.4.1	Interpret and evaluate expressions involving
			integer powers and simple roots as they relate
Line Up with Math	NM	MA.7.7.A.4.2	to change.
	1	p	٠٠٠ - ١٠٠٠

		Compare masses, weights, capacities,
		geometric measures, times, and temperatures
NIM	MA 77 M 1 2	within measurement systems.
INIVI	IVIA.7.7.IVI.1.3	Identify and explain the effects of scale and/or
		interval changes on graphs of whole number
NIM	MA 77D 1 11	data sets.
INIVI	IVIA.7.7.D.1.11	uata sets.
	Smart Skie	S
	2002 Mathema	
	Content Stand	ards
matics		
State	Standards	
N I N A	NAA O O A A A	Solve multi-step problems that involve changes
INIVI	MA.8.8.A.4.4	in rate, average speed, distance, and time.
		Recognize, classify, and discuss properties of all
NIN A	MA 0 0 0 1 1	geometric figures including point, line, and
INIVI	MA.8.8.G.1.1	plane.
		Solve simple problems involving rates and
NIN 4	MA 0 0 M 0 7	derived measurements for such properties as
INIVI	IVIA.8.8.IVI.2.1	velocity and density.
NIN 4	MA 0 0 D 1 0	Generate, organize, and interpret real numbers
INIVI	IVIA.8.8.D. 1.2	in a variety of situations. Organize, analyze, and display appropriate
		quantitative and qualitative data to address
		l '
NIN A	MAGODISE	specific questions including: charts and tables
INIVI	IVIA.0.0.D. 1.3.I	Use changes in scales, intervals, or categories
		to help support a particular interpretation of
NINA	MA O O D 2 1	data.
INIVI	IVIA.0.0.D.Z. I	Generate, organize, and interpret real number
NIM	MV88D33	and other data in a variety of situations.
INIVI	IVIA.0.0.D.2.2	Interpret and analyze data from graphical
		representations and draw simple conclusions
NM	MA 8 8 D 2 4	(e.g., line of best fit).
I VIVI	W/A.O.O.D.Z.4	Identify simple graphic misrepresentations and
		distortions of sets of data (e.g., unequal interval
NM	MA 8 8 D 2 7	sizes, omission of parts of axis range, scaling).
INIVI	W/A.O.O.D.Z.7	Use appropriate technology to display data as
		lists, tables, matrices, graphs, and plots and to
		analyze the relationships of variables in the data
NM	MA 8 8 D 2 8	displayed.
1 1111	17.7 (.0.0.0.2.0	Describe how changes in scale, intervals, or
		categories influence arguments for a particular
NM	MA.8 8 D 3 1	interpretation of the data.
1 1111		Describe how reader bias, measurement errors,
		and display distortion can affect the
		interpretation of data, predictions, and
NM	MA.8 8 D 3 2	inferences based on data.
1		
		luse draphs, lables, and algebraic
		Use graphs, tables, and algebraic representations to make predictions and solve
	MM NM MM NM NM NM NM NM NM NM	NM MA.7.7.D.1.11 Smart Skie 2002 Mathema Content Stand matics State Standards NM MA.8.8.A.4.4 NM MA.8.8.G.1.1 NM MA.8.8.D.1.2 NM MA.8.8.D.1.3.f NM MA.8.8.D.2.1 NM MA.8.8.D.2.2 NM MA.8.8.D.2.4 NM MA.8.8.D.2.7 NM MA.8.8.D.2.8 NM MA.8.8.D.2.8 NM MA.8.8.D.2.8 NM MA.8.8.D.3.1

			Estimate, find, and justify solutions to problems
			that involve change using tables, graphs, and
Line Up with Math	NM	MA.8.8.A.4.2	algebraic expressions.
			Solve multi-step problems that involve changes
Line Up with Math	NM	MA.8.8.A.4.4	in rate, average speed, distance, and time.
			Analyze problems that involve change by
			identifying relationships, distinguishing relevant
			from irrelevant information, identifying missing
			information, sequencing, and observing
Line Up with Math	NM	MA.8.8.A.4.5	patterns.
Line op mar maar		1717 11.01.017 11.11.0	Recognize, classify, and discuss properties of all
			geometric figures including point, line, and
Line Up with Math	NM	MA.8.8.G.1.1	plane.
Line op with Math	I VIVI	1717 (.0.0.0.1.1	Represent, formulate, and solve distance and
			geometry problems using the language and
			symbols of algebra and the coordinate plane
Line Up with Math	NM	MA.8.8.G.2.1	and space (e.g., ordered triplets).
Line op with Math	INIVI	IVIA.0.0.0.2.1	Solve simple problems involving rates and
			derived measurements for such properties as
Line Up with Math	NM	MA.8.8.M.2.7	velocity and density.
Line op with Math	INIVI	IVIA.0.0.IVI.2.1	velocity and density.
		Smart Skie	
		2002 Mathem	-
		Content Stand	
New Mexico Mathen	natics		
Grades 9-12 (Grades			
Activity/Lesson	State	Standards	
			Read information and draw conclusions from
			graphs, and identify properties of a graph that
		MA.9-12.9-	provide useful information about the original
Fly by Math	NM	12.A.2.13	problem.
, .,		MA.9-12.9-	Write an equation of the line that passes through
Fly by Math	NM	12.A.3.6	two given points.
		12000	Verify that a point lies on a line, given an
		MA.9-12.9-	equation of the line, and be able to derive linear
Fly by Math	NM	12.A.3.7	equations given a point and a slope.
, .,			Determine whether the graphs of two given
		MA.9-12.9-	linear equations are parallel, perpendicular,
Fly by Math	NM	12.A.3.8	coincide or none of these.
, , ,			Use counterexamples to show that an assertion
			is false and recognize that a single
		MA.9-12.9-	counterexample is sufficient to refute a universal
Fly by Math	NM	12.G.1.6	statement.
i iy by maar		12.5.1.0	Use basic geometric ideas (e.g., the
			Pythagorean theorem, area and perimeter) in
			the context of the Cartesian coordinate plane
			(e.g., calculate the perimeter of a rectangle with
			integer coordinates and with sides parallel to the
		MA.9-12.9-	coordinate axes, and of a rectangle with sides
Fly by Math	NM	12.G.2.3	not parallel).
i iy by iviatii	I VIVI	12.0.2.0	Describe the intersections of a line and a plane,
		MA.9-12.9-	intersections of lines in the plane and in space,
	1	IVI/\.\3- 1\2\3-	intersections of lines in the plane and in space,
Fly by Math	NM	12.G.4.8	or of two planes in space.

		MA.9-12.9-	Explain the differences between various
Fly by Math	NM	12.D.1.1	methods of data collection.
		MA.9-12.9-	Explain the meaning of univariate and bivariate
Fly by Math	NM	12.D.2.2	data.
			Display the distribution of univariate data,
			describe its shape using appropriate summary
		MA.9-12.9-	statistics, and understand the distinction
Fly by Math	NM	12.D.2.3	between a statistic and a parameter.
			Compare and draw conclusions between two or
		MA.9-12.9-	more sets of univariate data using basic data
Fly by Math	NM	12.D.2.7	analysis techniques and summary statistics.
			Evaluate published reports that are based on
			data by examining the design of the study, the
		MA.9-12.9-	appropriateness of the data analysis, and the
Fly by Math	NM	12.D.2.15	validity of conclusions.
			Explain that the distance between two numbers
		MA.9-12.9-	on the number line is the absolute value of their
Line Up with Math	NM	12.A.1.4	difference.
		MA.9-12.9-	Write an equation of the line that passes through
Line Up with Math	NM	12.A.3.6	two given points.
			Verify that a point lies on a line, given an
		MA.9-12.9-	equation of the line, and be able to derive linear
Line Up with Math	NM	12.A.3.7	equations given a point and a slope.
			Determine whether the graphs of two given
		MA.9-12.9-	linear equations are parallel, perpendicular,
Line Up with Math	NM	12.A.3.8	coincide or none of these.
			Understand that numerical values associated
			with measurements of physical quantities must
			be assigned units of measurement or
			dimensions; apply such units correctly in
			expressions, equations and problem solutions
			that involve measurements; and convert a
		MA.9-12.9-	measurement using one unit of measurement to
Line Up with Math	NM	12.G.1.1	another unit of measurement.
			Use counterexamples to show that an assertion
			is false and recognize that a single
		MA.9-12.9-	counterexample is sufficient to refute a universal
Line Up with Math	NM	12.G.1.6	statement.
			Determine the midpoint and distance between
			two points within a coordinate system and relate
			these ideas to geometric figures in the plane
		MA.9-12.9-	(e.g., find the center of a circle given the two
Line Up with Math	NM	12.G.2.2	points of a diameter of the circle).
			Use basic geometric ideas (e.g., the
			Pythagorean theorem, area and perimeter) in
			the context of the Cartesian coordinate plane
			(e.g., calculate the perimeter of a rectangle with
			integer coordinates and with sides parallel to the
		MA.9-12.9-	coordinate axes, and of a rectangle with sides
Line Up with Math	NM	12.G.2.3	not parallel).
			Describe the intersections of a line and a plane,
		MA.9-12.9-	intersections of lines in the plane and in space,
Line Up with Math	NM	12.G.4.8	or of two planes in space.